

Water-Data Report 2008

354328078295703 Local number WK-330, NCDENR Raleigh Hydrogeologic Research Station WC-1D near Auburn, NC (Bedrock)

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Intrusive Igneous Rock

Wake County, NC

LOCATION.--Lat 35°43'29", long 78°29'57" referenced to North American Datum of 1983, Wake County, NC, Hydrologic Unit 03020201, 3.6 mi north east of Auburn. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 342 ft, diameter 6.25 in., cased to 82 ft, open hole from 82 ft to 342 ft, diameter 6 in.

DATUM.--Land-surface datum is 169.27 ft above North American Vertical Datum of 1988. Measuring point: top of steel casing, 2.80 ft above land-surface datum, April 6, 2005, to present.

PERIOD OF RECORD.--October 2005 to current year.

GAGE.--Measured periodically with electric and steel tape by NCDENR, Division of Water Quality and USGS.

REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.51 ft below land-surface datum, July 17, 2006; lowest water level measured 27.24 ft below land-surface datum, September 2, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

[Measurement method: T, electric tape. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Jan 28, 2008	22.88	T	--	Jun 13, 2008	22.02	T	--
May 1	21.64	T	--	24	22.25	T	--
16	21.33	T	--	Sep 2	27.24	T	--

Highest: 21.33 May 16, 2008

Lowest: 27.24 Sep 02, 2008

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